

I claim:

1. A communication device applied to wireless peripherals of computer, said communication device comprising:

at least two emitting devices being a first emitting device and a second

5 emitting device, said first and second emitting devices respectively communicating at a first communication channel and a second communication channel, each of said emitting devices continually emitting a plurality of identical signal sections in a time interval; and

10 a receiving device jumping at least between said first and second communication channels, the time of said receiving device among each of said communication channels comprising a phase lock time and a reception time of a whole signal section.

15 2. The communication device as claimed in claim 1, wherein the number of times for which each of said emitting devices emitting the same signal section in the time interval is at least three times the number of communication channels between which said receiving device jumps.

3. The communication device as claimed in claim 1, wherein each of said signal section is transferred by using five-bit digital codes.

20 4. A digital encoding method of communication device, wherein each signal is transmitted by using five-bit digital codes, and there are at most two successive identical bits in each of said five-bit digital codes so that there are at most four successive identical bits in each signal of communication data.